

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Juergen Frosien §  
Serial No.: 10/593,246 § Group Art Unit: 2881  
Confirmation No.: 9935 §  
Filed: July 17, 2007 § Examiner: Michael J. Logie  
For: HIGH CURRENT DENSITY §  
PARTICLE BEAM §  
SYSTEM §

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with § 1.6(a)(4).

Date: 9/2/09 Signature:   
Keith M. Tackett

Dear Sir:

**RESPONSE TO OFFICE ACTION DATED JUNE 2, 2009**

In response to the Office Action dated June 2, 2009, having a shortened statutory period for response set to expire on September 2, 2009, please enter this response and reconsider the claims pending in the application for reasons discussed below. Although Applicant believes that no additional fees are due in connection with this response, the Commissioner is hereby authorized to charge counsel's Deposit Account No. 20-0782/ZIMR/0048/KMT, for any fees, including extension of time fees or excess claim fees, or credit any overpayment, required to make this response timely and acceptable to the Office.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper. **Remarks** begin on page 8 of this paper.